

Work Order ID 151155 -2

151155

Page 1

Monday, September 12, 2016 11:34:58 AM

Item ID: D3965-4

Revision ID:

Item Name: Bearing, Spherical

Start Date: 9/20/2016 Start Qty: 10.00

Required Date: 10/5/2016 Req'd Qty: 10.00

Reference:

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Cust Item ID:

Customer:

Split-2-

10
10 6x

Approvals: Process Plan: DAS Date: SEP 12 2016 Tooling: _____ Date: _____
QC: 21 Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3965	B								

100

0.00

100

Purchasing

Purchasing

Memo

PURCHASING

Issue P/O: 33625

Purchase Part Number: 63215K52

Possible Supplier: McMaster

Material release note is required

0.00

10

SEP 12 2016

DAS

13

9-89

110

Receive & Inspect for Damage & Mat'l Certs

0.00

110

Packaging

Packaging

Memo

0.03

6x Sp/6-9-19

Work Order ID 151155

Monday, September 12, 2016 11:34:58 AM

151155

Page 2

Item ID: D3965-4 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Bearing, Spherical
Start Date: 9/20/2016 Start Qty: 10.00 ***10*** Cust Item ID:
Required Date: 10/5/2016 Req'd Qty: 10.00 ***10*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 *120* QC Quality Control	QC6- Inspect dimensions to drawing Memo	0.00 0.00				<u>6</u>			DAS 38 9-89 SEP 20 2016
130 *130* Packaging Packaging	Identify as per dwg & Stock Location: <u>Stop 6</u> Memo	0.00 0.02				<u>6</u>			DAS 38 9-89 SEP 20 2016
140 *140* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.17				DAS 21 9-89			SEP 21 2016 DAS 21 9-89 SEP 20 2016

Picklist Print

Monday, September 12, 2016 11:35:03 AM

Page 1

Work Order ID: 151155

151155

Parent Item: D3965-4

D3965-4

Parent Item Name: Bearing, Spherical

Start Date: 9/20/2016

Required Date: 10/5/2016

Start Qty: 10.00

Required Qty: 10.00

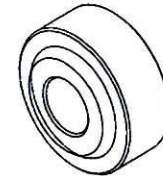
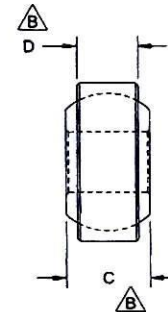
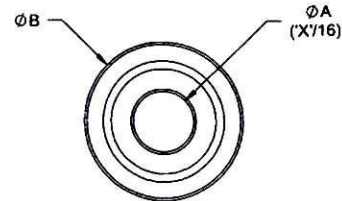
Comments: IPP RevA: New issue DD verified by:EC
12.03.06 AS PER DWG REV.B DD VERF:EC

IPP REV:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
63215K52		Purchased	No			110	Each	0.0000	1	10			
63215K52									**				
Bearing Spherical													

Lex 9/16-9-19.

SPECIFICATION CONTROL DRAWING



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER

NO. 151155 MJS
1609-12

D3965-X BEARING, SPHERICAL

WHERE 'X' IS I.D. IN 1/16" OF AN INCH
EG Ø 1/4" (4/16") I.D. BEARING = D3965-4

DART P/N	SUPPLIER	SUPPLIER P/N	A	B	C	D	STATIC RADIAL LOAD CAP. lbs
D3965-3	McMASTER-CARR	63215K31	0.188	0.563	0.281	.219	3,975
D3965-4	McMASTER-CARR	63215K52	0.250	0.656	0.344	0.250	6,040
D3965-5	McMASTER-CARR	63215K53	0.313	0.750	0.375	0.281	8,750
D3965-6	McMASTER-CARR	63215K34	0.375	0.813	0.406	0.313	10,540

RELEASED
2012-03-02

NOTES:

- 1) MATERIAL: 440C STAINLESS STEEL WITH PTFE LINER
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

B	CORRECT LETTER DESIGNATED C & D (2N C4-1) PER PART 11-151	RF	12.01.10
A	NEW ISSUE	RF	09.07.09
REV.	DESCRIPTION	BY	DATE
DESIGN	RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RF	DRAWING NO. D3965 REV. B	
CHECKED	140	SHEET 1 OF 1	
MFG. APPR.	E	SCALE NTS	
APPROVED	140	TITLE BEARING, SPHERICAL	
DE APPR.	140	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD	
DATE	12.01.10		



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO33625

Purchase Order Date 9/12/2016

PO Print Date 9/12/2016

Page Number 1 of 3

Order From :

VU-MCM001

Ship To : DART AEROSPACE LTD

SEP 12 2016

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

Contact Name

Vendor Phone

330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground ppd

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 10

USD

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	97395A451 AS PER DWG D 5317 REV. A B151156	Dowel Pin	9/14/2016 Yes 9/14/2016	FN	30.00 Each	\$1.23	\$36.7
2	63215K52 AS PER DWG D3965 REV. B B151155	Bearing Spherical	9/14/2016 Yes 9/14/2016		10.00 Each	\$15.62	\$156.2
3	71400-11	5311T17 SIZE: 9 RUBBER BOOT	9/14/2016 Yes 9/14/2016		1.00 Each	\$22.38	\$22.3

Line Total:

\$36.7

Line Total:

\$156.2

Note:

9/12/2016

SP16-9-15



McMASTER-CARR®

Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Andy
Carl

Purchase Order
PO33625

Order Placed By
Chantal Lavoie

McMaster-Carr Number
8413236-01

Page 1 of 1

09/12/2016

Line	Product	Ordered	Shipped
2	63215K52 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 1/4" ID, 21/32" OD, 11/32" Ball Thick	10 Each	6

Shipped separately from our Cleveland warehouse on 09/12

1	97395A451 Corrosion Resistant Dowel Pin, Type 316 Stainless Steel, 1/8" Diameter, 3/4" Length	3 Packs	3
2	63215K52 Stainless Steel Ball Joint Swivel Bearing, PTFE Lined, 1/4" ID, 21/32" OD, 11/32" Ball Thick	10 Each	4
3	5311T17 PVC Work Boot, Safety Toe, 16" Height, Black, Men's Size 9	1 Pair	1
4	5311T17 PVC Work Boot, Safety Toe, 16" Height, Black, Men's Size 11	1 Pair	1
5	7187T29 Hand Brush, for Wet Use with Acids & Alkalies, 0.014" Bristle Diameter	1 Each	1
6	5835A15 3/8" Square Drive High-Torque Ratchet Wrench, Push-Button Release, 7-5/8" L Overall, Chrome Finish	1 Each	1